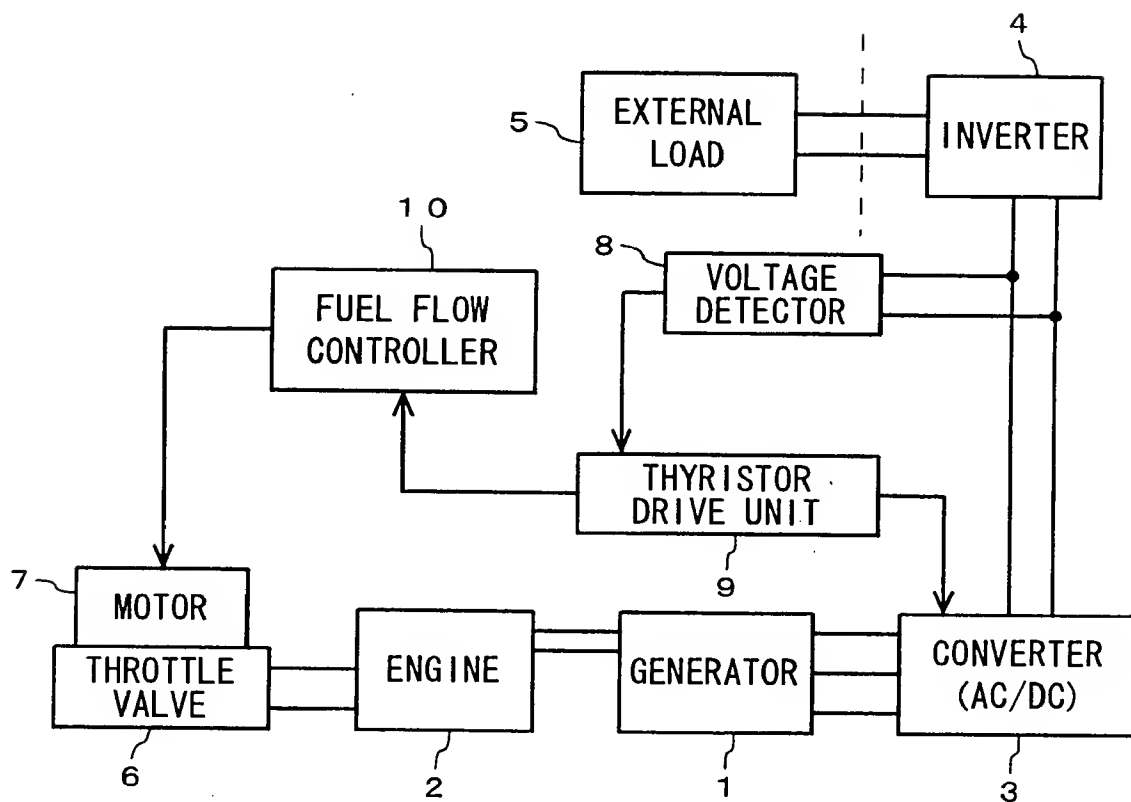
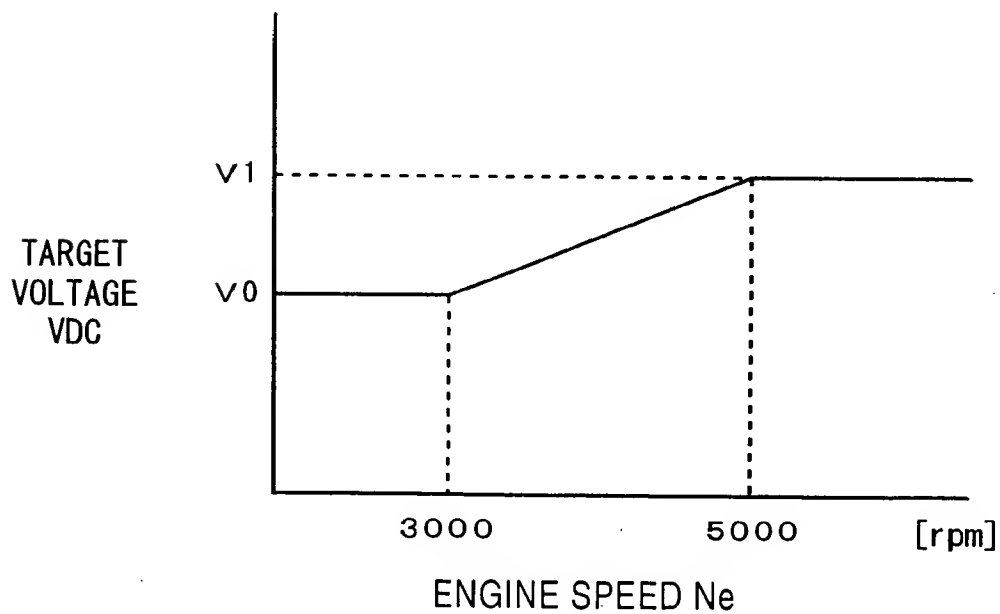




F i g . 1

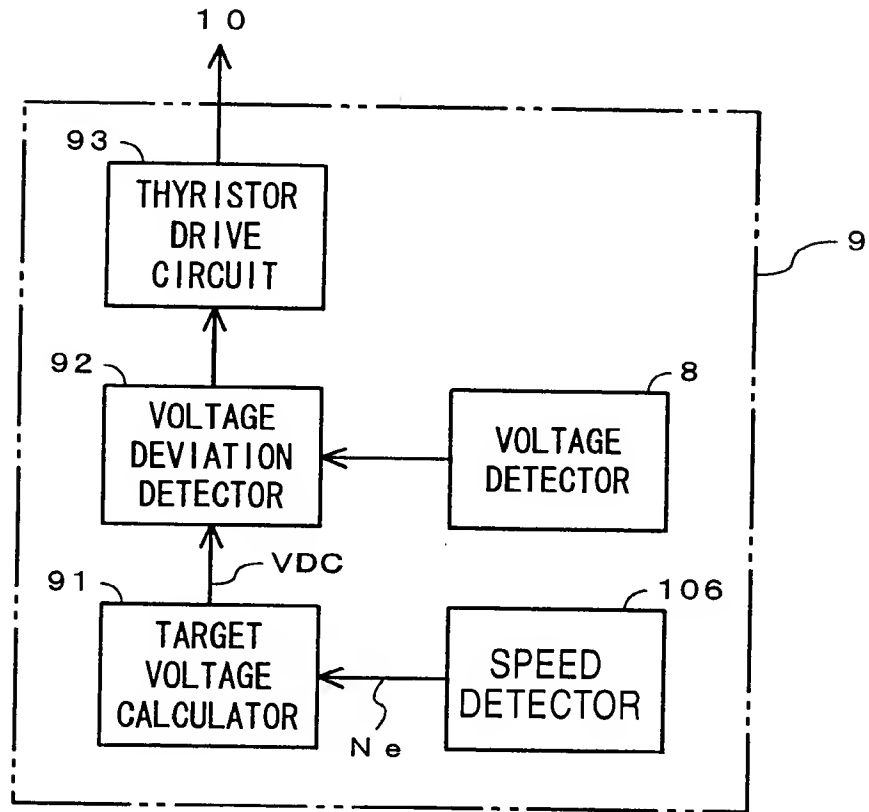


F i g . 2





F i g . 3 PRIOR ART



F i g . 4

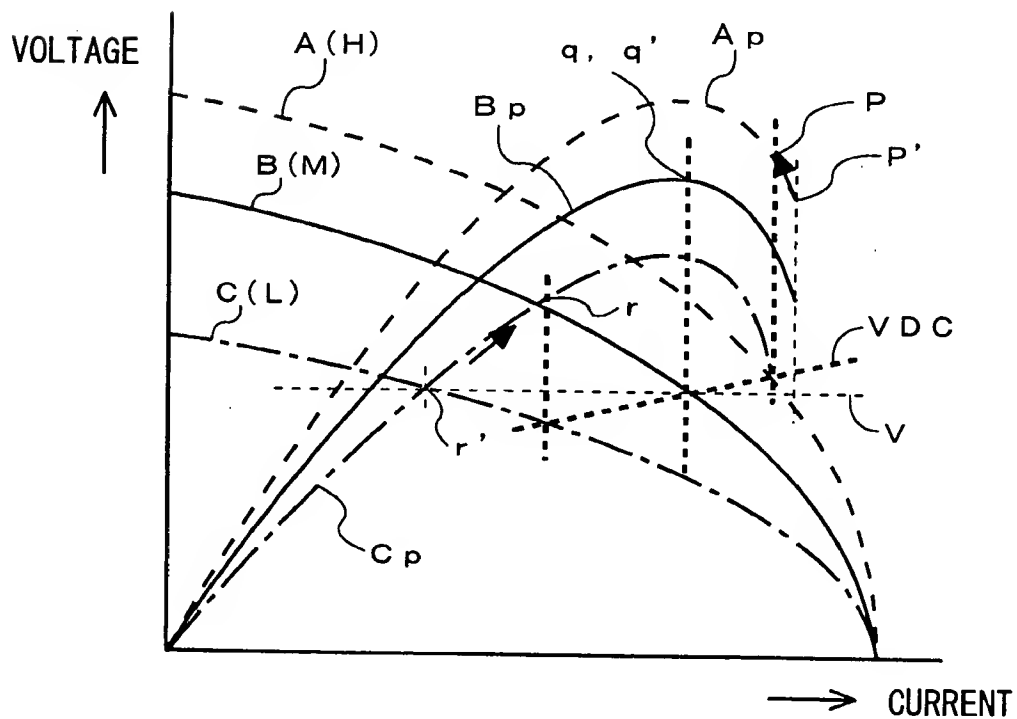


Fig. 1 is a block diagram of a power system. It includes a Converter (AC/DC) 3, an Inverter 4, an External Load 5, and a PWM Controller 41. The Converter 3 is connected to the Inverter 4. The Inverter 4 is connected to the External Load 5. The PWM Controller 41 is connected to the Inverter 4. The External Load 5 is connected to the Inverter 4 through a dashed line representing a connection point.

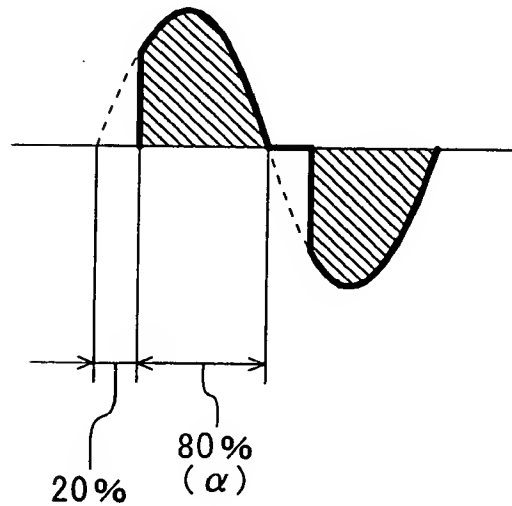
The block diagram illustrates a speed control system for a motor. The components and their interconnections are as follows:

- MAX. /MIN. R. P. M. SETTING UNIT (105)**: Provides input to the **TARGET SPEED STORAGE (104)**.
- TARGET SPEED STORAGE (104)**: Provides input to the **CONTROL CALCULATOR (107)**.
- TARGET SPEED UPDATING UNIT (103)**: Provides input to the **CONTROL CALCULATOR (107)**.
- CONDUCTION ANGLE DETECTOR (101)**: Provides input to the **THROTTLE CONTROLLER (108)**.
- DEVIATION DETECTOR (102)**: Provides input to the **TARGET SPEED UPDATING UNIT (103)**.
- THROTTLE CONTROLLER (108)**: Provides input to the **MOTOR (7)**.
- THYRISTOR DRIVE UNIT (9)**: Provides input to the **MOTOR (7)**.
- MOTOR (7)**: Connected to the **ENGINE GENERATOR (2 (1))**.
- ENGINE GENERATOR (2 (1))**: Provides input to the **SPEED DETECTOR (106)**.
- SPEED DETECTOR (106)**: Provides input to the **CONTROL CALCULATOR (107)**.
- CONTROL CALCULATOR (107)**: Provides input to the **THROTTLE CONTROLLER (108)**.
- TARGET CONDUCTION ANGLE**: Provides input to the **DEVIATION DETECTOR (102)**.

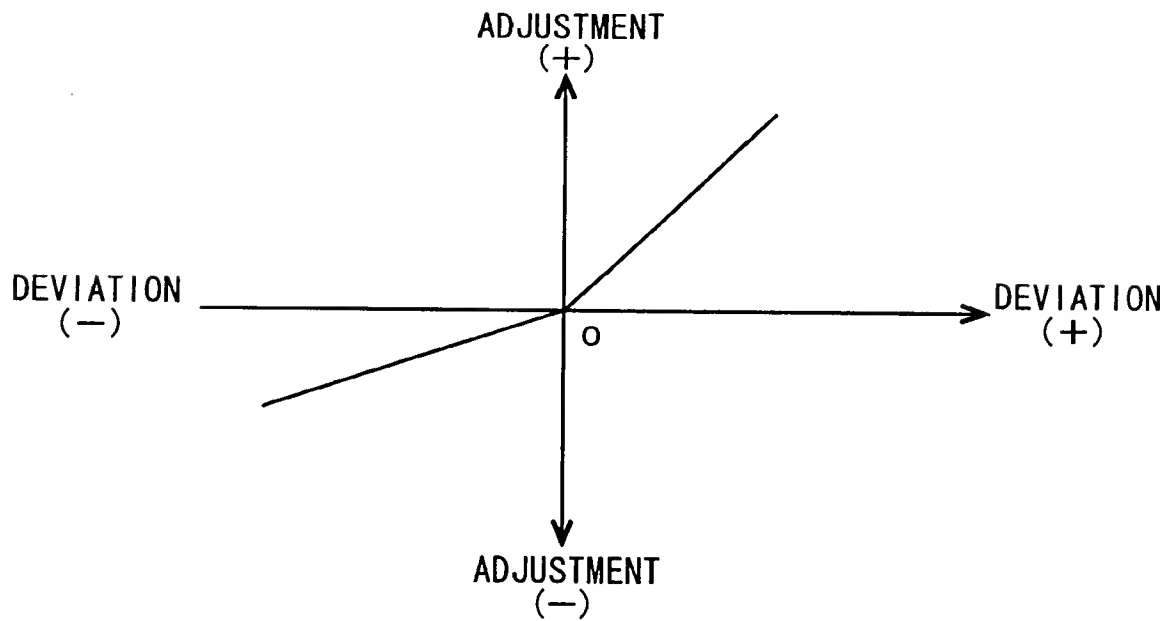
```
graph TD
    105[105 MAX. /MIN. R. P. M. SETTING UNIT] --> 104[104 TARGET SPEED STORAGE]
    104 --> 107[107 CONTROL CALCULATOR]
    103[103 TARGET SPEED UPDATING UNIT] --> 107
    101[101 CONDUCTION ANGLE DETECTOR] --> 108[108 THROTTLE CONTROLLER]
    102[102 DEVIATION DETECTOR] --> 103
    108 --> 7[7 MOTOR]
    9[9 THYRISTOR DRIVE UNIT] --> 7
    7 --> 2_1[2 (1) ENGINE GENERATOR]
    2_1 --> 106[106 SPEED DETECTOR]
    106 --> 107
    107 --> 108
    100[100 TARGET CONDUCTION ANGLE] --> 102
```



F i g . 7 PRIOR ART



F i g . 8





F i g . 9 PRIOR ART

